

DH-IPC-HFW3441T-ZS

4MP IR Vari-focal Bullet WizSense Network Camera



Wiz Sense

Launched by Dahua Technology, WizSense is a series of Al products and solutions that adopt independent Al chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

Series Overview

With advanced deep learning algorithm, Dahua WizSense 3 Series network camera supports intelligent functions, such as perimeter protection and smart motion detection. With starlight technology, this series camera provides a better image effect in the condition of low illuminance.

Functions

SMD Plus

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

Smart H.265+ & Smart H.264+

With advanced scene-adaptive rate control algorithm, Dahua smart encoding technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

Perimeter Protection

With deep learning algorithm, Dahua Perimeter Protection technology can recognize human and vehicle accurately. In restricted area (such as pedestrian area and vehicle area), the false alarms of intelligent detection based on target type (such as tripwire, intrusion) are largely reduced.

- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520)@30 fps
- H.265 codec, high compression rate, low bit rate
- · Built-in IR LED, max. IR distance: 60 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- · Supports max. 256 G Micro SD card
- 12V DC/POE power supply
- · IP67, IK10(optional) protection
- SMD Plus













Starlight

Dahua Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

Cyber Security

Dahua network camera is equipped with a series of key security technologies, such as security authentication and authorization, access control, trusted protection, encrypted transmission, and encrypted storage, which improve its security defense and data protection, and prevent malicious programs from invading the device.

Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows $\pm 30\%$ input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.



× 240)

Camera Image Sensor Max. Resolution ROM RAM Scanning System Electronic Shutter Spe	2688 (H) ×15: 128 MB 512 MB Progressive	exel progressive (V)	e CMOS		Video Bit Rate Day/Night	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps Auto(ICR)/Color/B/W
Max. Resolution ROM RAM Scanning System Electronic Shutter Spe	2688 (H) ×15: 128 MB 512 MB Progressive		e CMOS			Auto(ICR)/Color/B/W
ROM RAM Scanning System Electronic Shutter Spe	128 MB 512 MB Progressive	20 (V)				
RAM Scanning System Electronic Shutter Spe	512 MB Progressive				BLC	Yes
Scanning System Electronic Shutter Spe	Progressive				HLC	Yes
Electronic Shutter Spe					WDR	120 dB
·	ed Auto/Manual		Scanning System Progressive			Auto/natural/street lamp/outdoor/manual/regional
Min. Illumination		Auto/Manual 1/3 s–1/100000 s			White Balance	custom
		1.5 (Color, 30II F1.5 (B/W, 30I lator on)	,		Gain Control Noise Reduction	Auto/Manual 3D DNR
S/N Ratio	> 56 dB	,			Motion Detection	OFF/ON (4 areas, rectangular)
Illumination Distance	60 m (197 ft)				Region of Interest(RoI)	Yes (4 areas)
Illuminator On/Off Cor					Smart Illumination	Yes
Illuminator Number	4 (IR LED)				Image Rotation	$0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ (Support $90^{\circ}/270^{\circ}$ with 1920×1080 resolution and lower.)
Pan/Tilt/Rotation Ran	ge Pan: 0°–360°	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°			Mirror	Yes
Lens					Privacy Masking	4 areas
Lens Type	Motorized va	ri-focal			Alarm	
Mount Type φ14 Focal Length 2.7 mm-13.5 mm				of S Alarm Event IP of exc	No SD card; SD card full; SD card error; less service tir of SD card (smart card supports); network disconnect IP conflict; illegal access; voltage detection; security exception; motion detection; scene changing; intensit change; tripwire; intrusion; SMD	
Max. Aperture F1.5						
Field of View	Horizontal: 10 Vertical: 55° -				Network	
The drive w	Diagonal: 124				Network	RJ-45 (10/100 Base-T)
Iris Type	Fixed				SDK and API	Yes
Close Focus Distance Lens	0.8 m (2.6 ft) Detect			Identify	Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RT SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
DORI Distance W	64.0 m (210.0ft) 222.0 m (728.3 ft)	25.6 m (84.0 ft) 88.8m (291.3 ft)	12.8 m (42.0 ft) 44.4 m (145.7 ft)	6.4 m (21.0 ft) 22.2 m (72.8 ft)	Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security ld IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trus execution; trusted upgrade
Professional, Inte	, ,	(232.310)	(1181710)	(72.010)	Interoperability	ONVIF(Profile S/Profile G/Profile T);CGI;P2P;Mileston- Genetec
Perimeter Protection	Tripwire; intr	usion (Recogni	ition of human	and vehicle)	Scene Self-adaptation (SSA)	Yes
Intelligent Search	-		NVR to perform traction and me		User/Host	20 (Total bandwidth: 64 M)
	videos				Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS
Video H.265; H.264; H.264H; H.264B; MJPEG(only supported			y supported	Browser	IE: IE8, IE9, IE11 Chrome Firefox	
Video Compression by sub stream)			. , , , , , , ,		Management Software	Smart PSS, DSS, DMSS
Smart H.265+/ Smart H.264+				Mobile Phone	IOS; Android	
Video Frame Rate	sub stream (7	Main stream (2688 × 1520@1–25/30 fps) sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps) third stream (1280 × 720@1–25/30 fps)			Certification	
Stream Capability	3 streams				0.115	CE-LVD: EN62368-1 CE-EMC: Electromagnetic Compatibility Directive
Resolution	1080); 1.3M	4M (2688 × 1520); 3M (2304 × 1296); 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352			Certifications	Certifications 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-4

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Power Supply	12V DC/PoE (802.3af)		
Power Consumption	< 9.8W		
Environment			
Operating Conditions	-30°C to +60°C (-22°F to +140°F)/less than 95%		
Storage Conditions	-40°C to +60°C (-40°F to +140°F)		
Protection Grade	IP67		

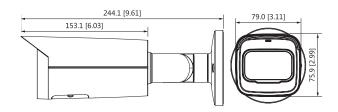
Structure

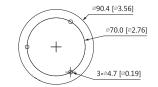
Casing	Metal
Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.6" × 3.1" × 3.0") (L × W × H)
Net Weight	820 g (1.8lb)
Gross Weight	1090 g (2.4lb)

Ordering Information						
Туре	Part Number	Description				
4MP	DH-IPC-HFW3441TP-ZS	4MP IR Vari-focal Bullet WizSense Network Camera,PAL				
Camera	DH-IPC-HFW3441TN-ZS	4MP IR Vari-focal Bullet WizSense Network Camera,NTSC				
	PFA130-E	Junction Box				
	PFA152-E	Pole Mount				
Accessories	PFM321D	DC12V1A Power Adapter				
(optional)	LR1002-1ET/1EC	Single-port Long Reach Ethernet Over Coax Extender				
	PFM900-E	Integrated Mount Tester				
	PFM114	TLC SD Card				

Pole Mount PFA130+PFA152-E PFA130-E

Dimensions (mm[inch])





Accessories

Optional:







LR1002-1ET/1EC Single-port long reach ethernet over coax extender



PFA152-E Pole Mount



PFM900-E Integrated Mount tester



PFM321D DC12V1A Power Adapter



PFM114 TLC SD card